#### **IBE and S/MIME**

#### **Russ Housley**

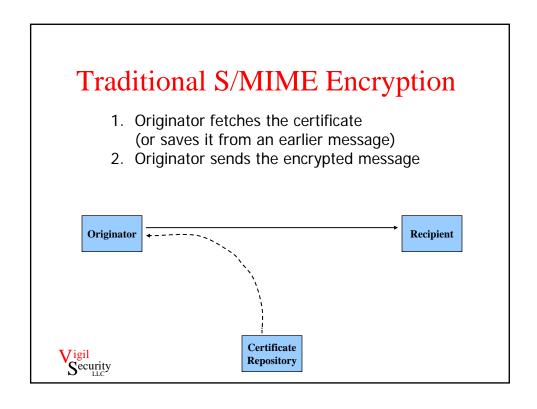
Founder of Vigil Security, LLC Chair of IETF

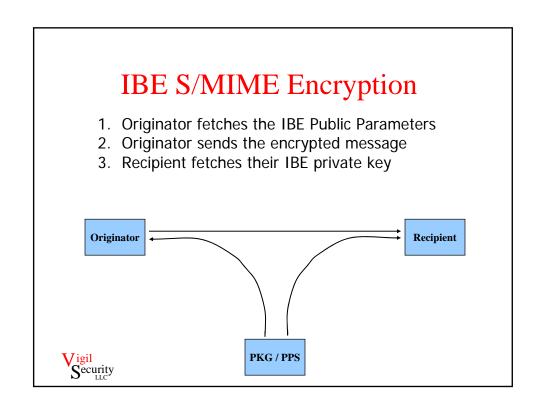


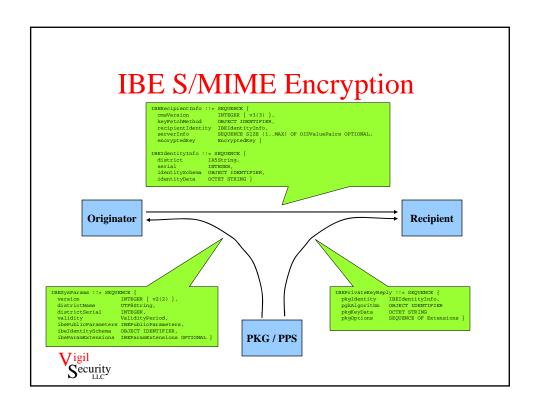
### Adding New Algorithms

- Algorithm standards are just the beginning
- Modern security protocols are algorithm agile, but each protocol needs to be profiled to use each algorithm
- Innovative new algorithms may require the use of protocol extensions or support infrastructure to take advantage of unforeseen capabilities









## Interoperability is the Goal

- Interoperable use of new algorithms means:
  - Algorithm standards
  - Specification of syntax and elements of procedure to use the new algorithm in existing security protocols



# **Questions?**

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